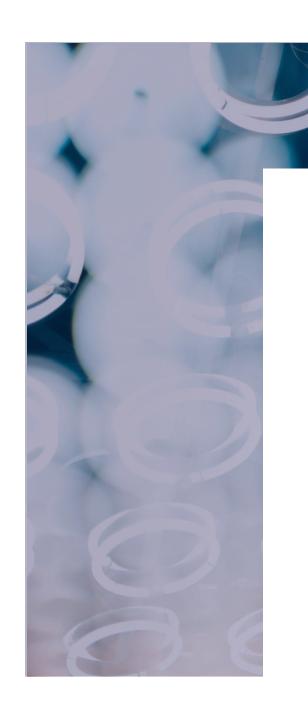
Major Science Initiatives

FROM PILOT TO FLAGSHIP FUND

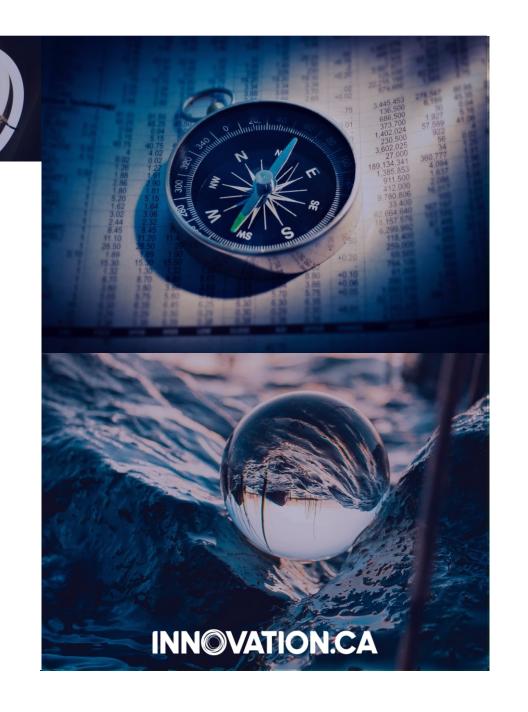
Lessons-learned from the final performance reports analysis (2012-2017)

Heidi Bandulet, Senior Programs Officer





Why is this retrospective important to all of us?





Exclusive, just for you!

Publication January 2019

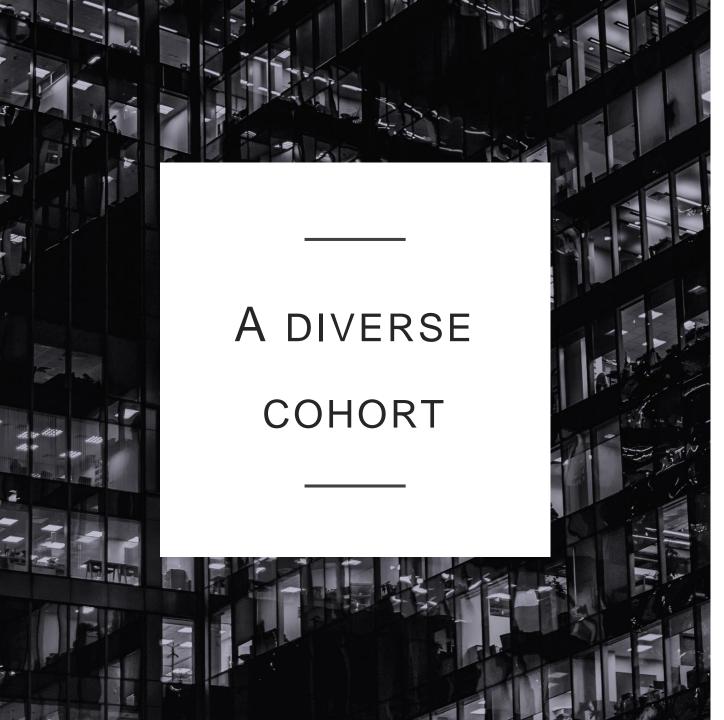
Goals of the analysis

- Gather evidence in support of the fund's objectives
- Identify areas where CFI funding has had the most impact
- Identify lessons learned
- Insights for evolving the fund

FUND OBJECTIVES

- 1. Optimize operations for full exploitation
- 2. Secure and strengthen to deliver world-class research and benefits
- 3. Promotion of best practices in governance and management





2012









2014





NGCC • CCGS **AMUNDSEN**





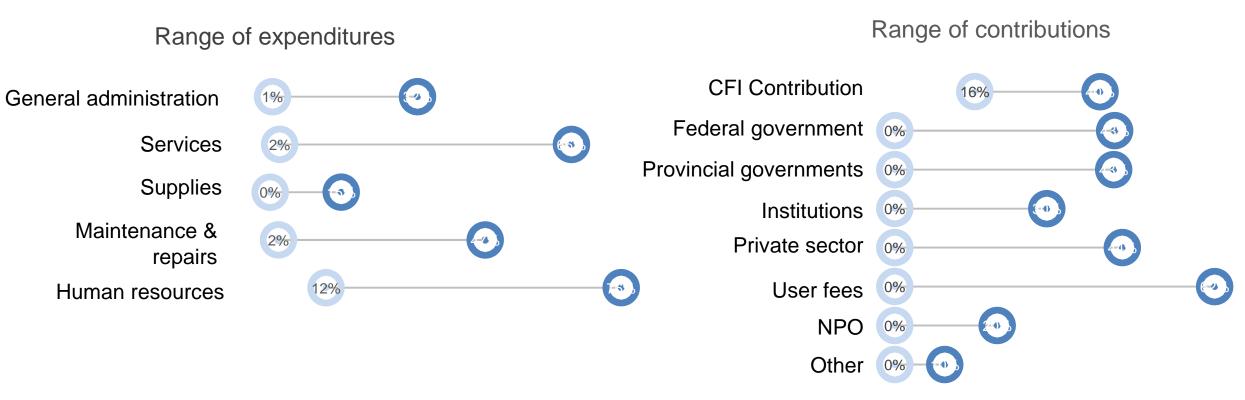






A DIVERSE COHORT

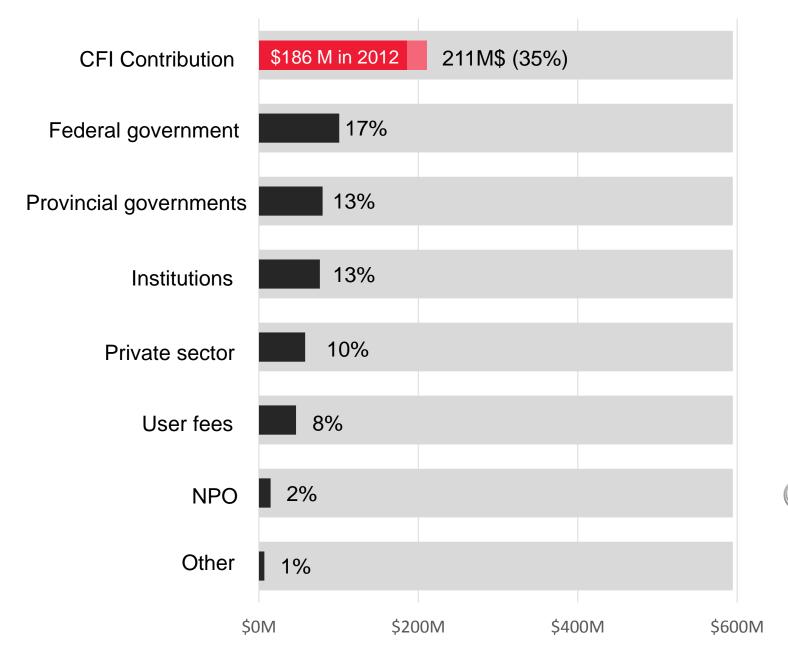
Each facility has a distinctive funding profile and O&M needs





Complex funding environment

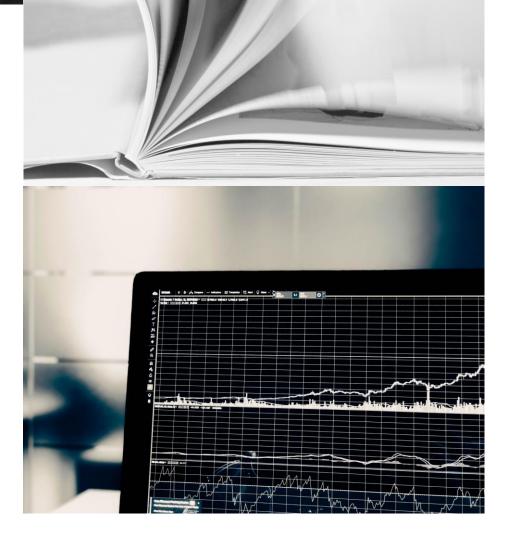
CFI was the single largest contributor to the facilities' O&M costs



Total MSI contributions \$594M



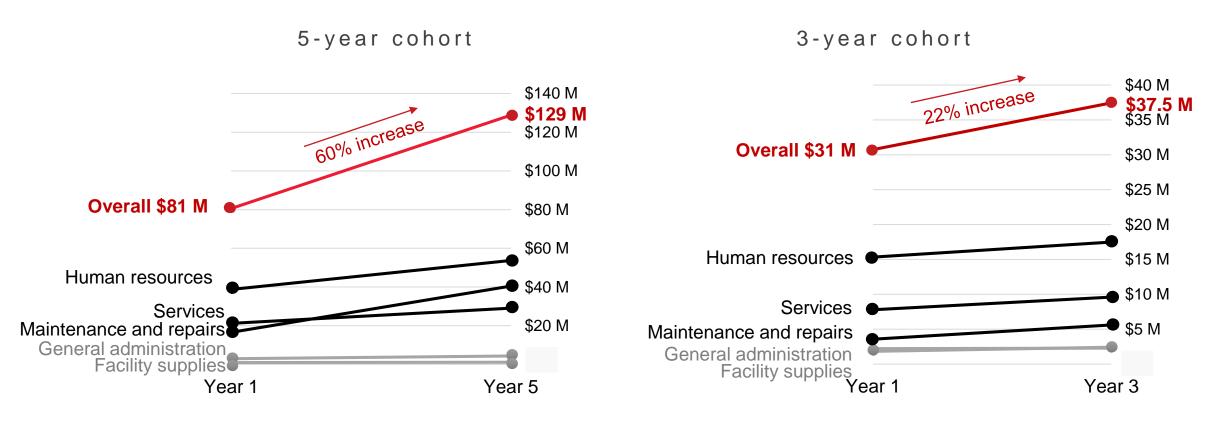
MSI objective





Optimize operations for full exploitation

Targeted investments in human resources and maintenance & repairs





Optimize operations for full exploitation



Service delivery

User base & access

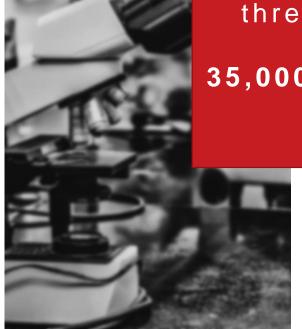
Allocation of MSI resources

Staff & training



40% growth in three years

35,000 per year





Secure and strengthen to deliver world-class research and benefits

- Enabled research excellence and knowledge advancement
- Enhanced international stature of facilities
 & collaborations
- Stimulated industry partnership opportunities & generated technology transfer activities
- Training the next generation: 11,000 yearly



Ocean Networks Canada

- A recognized "World Data System"
- Impact and collaboration rates ahead of other ocean observatories
- Commercialization revenues and direct impact ~\$102 million (2012-2016)
- 1st earthquake warning system in Canada
- 1st ocean acidification sensors in the Arctic



Promotion of best practices in governance and management

- Improved governance and management structures and practices
- Forward-looking and actionable strategic plans
- Risk management frameworks
- Performance measurement strategies
- A culture of continuous improvement







Common Challenges

- Attraction, retention of talent
- Maintaining infrastructure at leading edge
- Funding model
- Cost of research
- Performance management
- Demonstrating impact and achievements
- User identification and engagement
- The list goes on...





Takeaways from the report

- MSI funding enabled facilities to conduct outstanding and world-class science. The objectives of the MSI fund have been met.
- Challenges identified will inform the reporting framework and future activities.
- Tailored-to-facility approach in best interest of all stakeholders.
- Promote a culture of continuous improvement and help facilities think more strategically for the long-term.



